

What is claimed is:

1. An image transmission system comprising a transmission line, at least one image capture apparatus connected to the transmission line, wherein
the image capture apparatus receives an image signal and layout information including original image information for specifying a cut-out position of an image signal to be cut out from the received image signal as inputs and outputs the image signal in the cut-out position toward the transmission line.
2. The image transmission system of Claim 1 wherein said system includes at least one image receiving apparatus connected to the transmission line, and the image receiving apparatus includes image generation means for generating an image from the image signals through the transmission line.
3. An image transmission system comprising a transmission line and at least two image transmission apparatuses connected thereto, wherein
the transmission line is time-shared into plural access units and an apparatus connected to the transmission line uses the access unit to transmit a packet, and
the image transmission apparatuses each receives an image signal and layout information including a display position indicating a position of the image signal in a composite image, converts the image signal into an image signal of the size according to the display position, counts the number of the access units, and outputs the converted image signal at timing according to the display position.
4. The image transmission system of Claim 3 wherein
said system includes a layout information generation unit which outputs layout information including display positions of images of plural transmission apparatuses.
5. The image transmission system of Claim 4 wherein
the layout information generation unit outputs layout information once per frame.

6. The image transmission system of Claim 3 wherein the transmission line is a ring type network.

7. The image transmission system of Claim 3 wherein the image transmission apparatus includes image conversion means which converts a size of an image according to the layout information, and delay means which counts the number of usable access units and outputs the converted image when the number of the usable access units is in a range corresponding to the display position.

8. The image transmission system of Claim 3 wherein the layout information includes original image positions for specifying cut-out positions of images to be cut out from image signals, and the image transmission apparatus cuts out the image signal in the position specified by the original image position and converts the cut-out image into the image of the display size.

9. An image transmission apparatus connected to a transmission line which is time-shared into plural access units and an apparatus connected thereto uses the access unit to transmit a packet, wherein

said apparatus receives an image signal and layout information including a display position indicating a position of the image signal in a composite image as inputs, converts the image signal into an image signal of the size according to the display position, counts the number of access units, and outputs the converted image signal at timing according to the display position.

10. The image transmission apparatus of Claim 9 wherein said apparatus includes image conversion means which converts a size of the image according to the layout information, and delay means which counts the number of usable access units, and outputs the converted image when the number of the usable access units is in a range corresponding to the display position.

11. The image transmission apparatus of Claim 9 wherein said apparatus receives layout information including an original image position for specifying a cut-out position of an image signal to be cut out from the image signal, cuts out the image signal in the position specified by the original image position, and then converts the cut-out image signal into the image signal of the size according to the display position.

12. An image transmission apparatus which receives an image signal and layout information including original image information for specifying a cut-out position of an image signal to be cut out from the received image signal as inputs, and outputs the image signal in the cut-out position.

13. An image capture apparatus which captures an image signal of a real image and receives layout information including original image information for specifying a cut-out position of an image signal to be cut out from the captured image signal as an input, and outputs the image signal in the cut-out position.